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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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09/345,448 07/01/99 CONMY

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021967
HUNTON AND WILLIAMS
1900 K STREET N W
WASHINGTON DC 20006

TM02/0619

EXAMINER

LY.A

ART UNIT

PAPER NUMBER

2172

DATE MAILED:

06/19/01

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary

Application No.

09/345,448

Applicant(s)

CONMY ET AL.

Examiner

Anh Ly

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 25 April 2001.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-32 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-32 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claims _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are objected to by the Examiner.
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

- 15) ☒ Notice of References Cited (PTO-892)
- 16) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 17) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 18) ☐ Interview Summary (PTO-413) Paper No(s) _____
- 19) ☐ Notice of Informal Patent Application (PTO-152)
- 20) ☐ Other: _____

DETAILED ACTION

EXAMINER'S AMENDMENT

1. Applicant's arguments filed on 04/25/2001 with respect to claims 1, 6, 11, 14 and 16-20 have been considered but are moot in view of the new ground(s) of rejection.
2. Claims 1-32 are pending in this application.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to

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consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

4. Claims 1, 6, 11, and 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over US Patent No. 5,311,572 issued to Friedes et al. hereinafter Friedes, in view of US Patent No. 6,125,388 issued to Reisman.

With respect to claim 1, Friedes discloses subscriber's database as claimed (see abstract), subscription requesting means for enabling a user to request a subscription of at least one non-web document from at least one database as claimed (col. 7, lines 44-67, and col. 8, lines 1-8); subscription parameter receiving means for receiving at least one subscription parameter from the user wherein the at least one subscription parameter indicates a type of information to retrieve as claimed (col. 3, lines 44-67); search performing means for performing a search of the at least one database for information matching the subscription as claimed (col. 11, lines 20-67, and col. 12, lines 1-51); and subscription retrieving means for retrieving the information matching the subscription as claimed (col. 8, lines 9-67, col. 9, lines 1-14).

Friedes does not disclose explicitly indicate "the subscription identifiers information to be searched for and presented to the user at various intervals without additional user intervention."

However, Reisman discloses the user at various interval without additional user intervention as claimed (col. 10, lines 62,-67, col. 11, lines 1-63).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of Friedes with the teachings

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of Reisman so as to have a system for enabling a system user to request a subscription of at least one non-web document from at least one database because the combination would provide an information system with any of multiple electronic information object such as e-mail, web page, or non-web document for mass distribute to the requested subscriber as a user (Friedes – col. 5, lines 1-29) in the user to subscribe to updates from information resources environment.

With respect to claim 6, Friedes discloses subscriber's database as claimed (see abstract), subscription requesting means for enabling a user to request a subscription of at least one non-web document from at least one database as claimed (col. 7, lines 44-67, and col. 8, lines 1-8); subscription parameter receiving means for receiving at least one subscription parameter from the user wherein the at least one subscription parameter indicates a type of information to retrieve as claimed (col. 3, lines 44-67); search performing means for performing a search of the at least one database for information matching the subscription as claimed (col. 11, lines 20-67, and col. 12, lines 1-51); and subscription retrieving means for retrieving the information matching the subscription as claimed (col. 8, lines 9-67, col. 9, lines 1-14).

Friedes does not disclose explicitly indicate "the subscription identifiers information to be searched for and presented to the user at various intervals without additional user intervention."

However, Reisman discloses the user at various interval without additional user intervention as claimed (col. 10, lines 62,-67, col. 11, lines 1-63).

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Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of Friedes with the teachings of Reisman so as to have a system for enabling a system user to request a subscription of at least one non-web document from at least one database because the combination would provide an information system with any of multiple electronic information object such as e-mail, web page, or non-web document for mass distribute to the requested subscriber as a user (Friedes – col. 5, lines 1-29) in the user to subscribe to updates from information resources environment.

Claim 11 is essentially the same as claim 1 except that it is directed to a method rather than a system (see abstract; col. 7, lines 44-67, and col. 8, lines 1-8; col. 3, lines 44-67; col. 11, lines 20-67, and col. 12, lines 1-51; col. 8, lines 9-67, col. 9, lines 1-14), and is rejected for the same reason as applied to the claim 1 hereinabove.

Claim 16 is essentially the same as claim 1 except that it is directed to a method rather than a system (see abstract; col. 7, lines 44-67, and col. 8, lines 1-8; col. 3, lines 44-67; col. 11, lines 20-67, and col. 12, lines 1-51; col. 8, lines 9-67, col. 9, lines 1-14), and is rejected for the same reason as applied to the claim 1 hereinabove.

5. Claims 2-3, 7-8, 14-15, and 17-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over US Patent No. 5,311,572 issued to Friedes et al. hereinafter Friedes, in view of US Patent No. 6,125,388 issued to Reisman , and further in view of US Patent No. 6,141,653 issued to Conklin et al., hereinafter Conklin.

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With respect to claim 2, Friedes in view of Reisman discloses a system for enabling a system user to request a subscription of at least one non-web document from at least one database as discussed in claimed 1.

Friedes in view of Reisman does not disclose explicitly indicate "the search of the at least one database on a random basis."

However, Conklin discloses the search of the at least one database on a random basis as claimed (col. 29, lines 12-47).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of Friedes in view of Reisman with the teachings of Conklin so as to have the search performing means that performs the search of the at least one database on a random basis because the combination would provide an information system with any of multiple electronic information object such as e-mail, web page, or non-web document for mass distribute to the requested subscriber as a user (Friedes – col. 5, lines 1-29) in the user to subscribe to updates from information resources environment.

With respect to claim 3, Friedes in view of Reisman discloses a system for enabling a system user to request a subscription of at least one non-web document from at least one database as discussed in claimed 1.

Friedes in view of Reisman does not disclose explicitly indicate "the search on a random basis selected by the user."

However, Conklin discloses the selected search by user on a random basis as claimed (col. 29, lines 12-47).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of Friedes in view of Reisman with the teachings of Conklin so as to have the search performing means that performs the search on a random basis selected by the user because the combination would provide an information system with any of multiple electronic information object such as e-mail, web page, or non-web document for mass distribute to the requested subscriber as a user (Friedes – col. 5, lines 1-29) in the user to subscribe to updates from information resources environment.

With respect to claim 7, Friedes in view of Reisman discloses a system for enabling a system user to request a subscription of at least one non-web document from at least one database as discussed in claimed 6.

Friedes in view of Reisman does not disclose explicitly indicate “the search of the at least one database on a random basis.”

However, Conklin discloses the search of the at least one database on a random basis as claimed (col. 29, lines 12-47).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of Friedes in view of Reisman with the teachings of Conklin so as to have the search performing means that performs the search of the at least one database on a random basis because the combination would provide an information system with any of multiple electronic information object such as e-mail, web page, or non-web document for mass distribute

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to the requested subscriber as a user (Friedes – col. 5, lines 1-29) in the user to subscribe to updates from information resources environment.

With respect to claim 8, Friedes in view of Reisman discloses a system for enabling a system user to request a subscription of at least one non-web document from at least one database as discussed in claimed 6.

Friedes in view of Reisman does not disclose explicitly indicate “the search on a random basis selected by the user.”

However, Conklin discloses the selected search by user on a random basis as claimed (col. 29, lines 12-47).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of Friedes in view of Reisman with the teachings of Conklin so as to have the search performing means that performs the search on a random basis selected by the user because the combination would provide an information system with any of multiple electronic information object such as e-mail, web page, or non-web document for mass distribute to the requested subscriber as a user (Friedes – col. 5, lines 1-29) in the user to subscribe to updates from information resources environment.

Claim 14 is essentially the same as claim 2 except that it is directed to a method rather than a system (col. 29, lines 12-47), and is rejected for the same reason as applied to the claim 2 hereinabove.

Claim 15 is essentially the same as claim 3 except that it is directed to a method rather than a system (col. 29, lines 12-47), and is rejected for the same reason as

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applied to the claim 3 hereinabove.

Claim 17 is essentially the same as claim 2 except that it is directed to a medium rather than a system (col. 29, lines 12-47), and is rejected for the same reason as applied to the claim 2 hereinabove.

Claim 18 is essentially the same as claim 3 except that it is directed to a medium rather than a system (col. 29, lines 12-47), and is rejected for the same reason as applied to the claim 3 hereinabove.

6. Claims 4, 9, 12, 19, and 21-32 are rejected under 35 U.S.C. 103(a) as being unpatentable over US Patent No. 5,311,572 issued to Friedes et al. hereinafter Friedes, in view of US Patent No. 6,125,388 issued to Reisman, and further in view of US Patent No. 6,020,980 issued to Freeman.

With respect to claim 4, Friedes in view of Reisman discloses a system for enabling a system user to request a subscription of at least one non-web document from at least one database as discussed in claimed 1.

Friedes in view of Reisman does not disclose explicitly indicate "the input means for enabling a user to input one or more options relating to the subscription."

However, Freeman discloses the input as claimed (col. 10, lines 38-54).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of Friedes in view of Reisman with the teachings of Freeman so as to have the input means for enabling the

user to input one or more options relating to the subscription because the combination would provide an information system with any of multiple electronic information object such as e-mail, web page, or non-web document for mass distribute to the requested subscriber as a user (Friedes – col. 5, lines 1-29) in the user to subscribe to updates from information resources environment.

With respect to claim 9, Friedes in view of Reisman discloses a system for enabling a system user to request a subscription of at least one non-web document from at least one database as discussed in claimed 6.

Friedes in view of Reisman does not disclose explicitly indicate “the input means for enabling a user to input one or more options relating to the subscription.”

However, Freeman discloses the input as claimed (col. 10, lines 38-54).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of Friedes in view of Reisman with the teachings of Freeman so as to have the input means for enabling the user to input one or more options relating to the subscription because the combination would provide an information system with any of multiple electronic information object such as e-mail, web page, or non-web document for mass distribute to the requested subscriber as a user (Friedes – col. 5, lines 1-29) in the user to subscribe to updates from information resources environment.

With respect to claim 12, Friedes in view of Reisman discloses a system for enabling a system user to request a subscription of at least one non-web document from at least one database as discussed in claimed 1.

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Friedes in view of Reisman does not disclose explicitly indicate "subscription presenting means for presenting the subscription to the user."

However, Freeman discloses the subscription presenting means as claimed (see abstract, col. 6, lines 19-49, and col. 7, lines 28-56).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of Friedes in view of Reisman with the teachings of Freeman so as to have the subscription presenting means that presents the –email message because the combination would provide an information system with any of multiple electronic information object such as e-mail, web page, or non-web document for mass distribute to the requested subscriber as a user (Friedes – col. 5, lines 1-29) in the user to subscribe to updates from information resources environment.

Claim 19 is essentially the same as claim 4 except that it is directed to a medium rather than a system (col. 10, 38-54), and is rejected for the same reason as applied to the claim 4 hereinabove.

With respect to claim 21, Friedes in view of Reisman discloses a system for enabling a system user to request a subscription of at least one non-web document from at least one database as discussed in claimed 1.

Friedes in view of Reisman does not disclose explicitly indicate "at least one database is a Lotus Notes database."

However, Freeman discloses the Lotus Notes as claimed (col. 4, lines 36-67, and col. 5, lines 1-6).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of Friedes in view of Reisman with the teachings of Freeman so as to have the Lotus Notes as a database because the combination would provide an information system with any of multiple electronic information object such as e-mail, web page, or non-web document for mass distribute to the requested subscriber as a user (Friedes – col. 5, lines 1-29) in the user to subscribe to updates from information resources environment.

With respect to claim 22, Friedes in view of Reisman discloses a system for enabling a system user to request a subscription of at least one non-web document from at least one database as discussed in claimed 1.

Friedes in view of Reisman does not disclose explicitly indicate “subscription presenting means for presenting the subscription to the user.”

However, Freeman discloses the subscription presenting means as claimed (see abstract, col. 6, lines 19-49, and col. 7, lines 28-56).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of Friedes in view of Reisman with the teachings of Freeman so as to have the subscription presenting means because the combination would provide an information system with any of multiple electronic information object such as e-mail, web page, or non-web document for mass distribute to the requested subscriber as a user (Friedes – col. 5, lines 1-29) in the user to subscribe to updates from information resources environment.

With respect to claim 23, Friedes in view of Reisman discloses a system for

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enabling a system user to request a subscription of at least one non-web document from at least one database as discussed in claimed 1.

Friedes in view of Reisman does not disclose explicitly indicate "subscription presenting means presents the subscription as an electronic mail message."

However, Freeman discloses the email message as claimed (see abstract, col. 6, lines 19-49, and col. 7, lines 28-56).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of Friedes in view of Reisman with the teachings of Freeman so as to have the subscription presenting means that presents the subscription as e-mail message because the combination would provide an information system with any of multiple electronic information object such as e-mail, web page, or non-web document for mass distribute to the requested subscriber as a user (Friedes – col. 5, lines 1-29) in the user to subscribe to updates from information resources environment.

With respect to claim 24, Friedes in view of Reisman discloses a system for enabling a system user to request a subscription of at least one non-web document from at least one database as discussed in claimed 6.

Friedes in view of Reisman does not disclose explicitly indicate "at least one database is a Lotus Notes database."

However, Freeman discloses the Lotus Notes as claimed (col. 4, lines 36-67, and col. 5, lines 1-6).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of Friedes in view of Reisman with the teachings of Freeman so as to have the Lotus Notes as a database because the combination would provide an information system with any of multiple electronic information object such as e-mail, web page, or non-web document for mass distribute to the requested subscriber as a user (Friedes – col. 5, lines 1-29) in the user to subscribe to updates from information resources environment.

With respect to claim 25, Friedes in view of Reisman discloses a system for enabling a system user to request a subscription of at least one non-web document from at least one database as discussed in claimed 6.

Friedes in view of Reisman does not disclose explicitly indicate “subscription presenting means for presenting the subscription to the user.”

However, Freeman discloses the subscription presenting means as claimed (see abstract, col. 6, lines 19-49, and col. 7, lines 28-56).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of Friedes in view of Reisman with the teachings of Freeman so as to have the subscription presenting means because the combination would provide an information system with any of multiple electronic information object such as e-mail, web page, or non-web document for mass distribute to the requested subscriber as a user (Friedes – col. 5, lines 1-29) in the user to subscribe to updates from information resources environment.

With respect to claim 26, Friedes in view of Reisman discloses a system for

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enabling a system user to request a subscription of at least one non-web document from at least one database as discussed in claimed 6.

Friedes in view of Reisman does not disclose explicitly indicate "subscription presenting means presents the subscription as an electronic mail message."

However, Freeman discloses the email message as claimed (see abstract, col. 6, lines 19-49, and col. 7, lines 28-56).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of Friedes in view of Reisman with the teachings of Freeman so as to have the subscription presenting means that presents the subscription as e-mail message because the combination would provide an information system with any of multiple electronic information object such as e-mail, web page, or non-web document for mass distribute to the requested subscriber as a user (Friedes – col. 5, lines 1-29) in the user to subscribe to updates from information resources environment.

Claim 27 is essentially the same as claim 21 except that it is directed to a method rather than a system (col. 4, lines 36-67, and col. 5, lines 1-6), and is rejected for the same reason as applied to the claim 21 hereinabove.

Claim 28 is essentially the same as claim 22 except that it is directed to a method rather than a system (see abstract, col. 6, lines 19-49, and col. 7, lines 28-56), and is rejected for the same reason as applied to the claim 22 hereinabove.

Claim 29 is essentially the same as claim 23 except that it is directed to a method rather than a system (see abstract, col. 6, lines 19-49, and col. 7, lines 28-56), and is

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rejected for the same reason as applied to the claim 23 hereinabove.

Claim 30 is essentially the same as claim 21 except that it is directed to a medium rather than a system (col. 4, lines 36-67, and col. 5, lines 1-6), and is rejected for the same reason as applied to the claim 21 hereinabove.

Claim 31 is essentially the same as claim 22 except that it is directed to a medium rather than a system (see abstract, col. 6, lines 19-49, and col. 7, lines 28-56), and is rejected for the same reason as applied to the claim 22 hereinabove.

Claim 32 is essentially the same as claim 23 except that it is directed to a medium rather than a system (see abstract, col. 6, lines 19-49, and col. 7, lines 28-56), and is rejected for the same reason as applied to the claim 23 hereinabove

7. Claims 5, 10, and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over US Patent No. 5,311,572 issued to Friedes et al. hereinafter Friedes, in view of US Patent No. 6,125,388 issued to Reisman , and further in view of US Patent No. 6,038,601 issued to Lambert et al. hereinafter Lambert.

With respect to claim 5, Friedes in view of Reisman discloses a system for enabling a system user to request a subscription of at least one non-web document from at least one database as discussed in claimed 1.

Friedes in view of Reisman does not disclose explicitly indicate "the subscription formula means for enabling the user to request a subscription using a formula."

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However, Lambert discloses the subscription formula as the report mechanism as claimed (col. 31, lines 30-58).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of Friedes in view of Reisman with the teachings of Freeman so as to have the subscription formula means for enabling the user to request the subscription by using the formula because the combination would provide an information system with any of multiple electronic information object such as e-mail, web page, or non-web document for mass distribute to the requested subscriber as a user (Friedes – col. 5, lines 1-29) in the user to subscribe to updates from information resources environment.

With respect to claim 10, Friedes in view of Reisman discloses a system for enabling a system user to request a subscription of at least one non-web document from at least one database as discussed in claimed 6.

Friedes in view of Reisman does not disclose explicitly indicate “the subscription formula means for enabling the user to request a subscription using a formula.”

However, Lambert discloses the subscription formula as the report mechanism as claimed (col. 31, lines 30-58).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of Friedes in view of Reisman with the teachings of Freeman so as to have the subscription formula means for enabling the user to request the subscription by using the formula because the combination would provide an information system with any of multiple electronic

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information object such as e-mail, web page, or non-web document for mass distribute to the requested subscriber as a user (Friedes – col. 5, lines 1-29) in the user to subscribe to updates from information resources environment.

Claim 20 is essentially the same as claim 4 except that it is directed to a medium rather than a system (col. 31, 30-58), and is rejected for the same reason as applied to the claim 5 hereinabove.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

Contact Information

Any inquiry concerning this communication should be directed to Anh Ly whose telephone number is (703) 306-4527. The examiner can be reached on Monday – Friday from 8:00 AM to 4:00 PM.

If attempts to reach the examiner are unsuccessful, see the examiner's

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supervisor, Kim Vu, can be reached on (703) 305-4393.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

(703) 308-9051 (for formal communications intended for entry)

or:

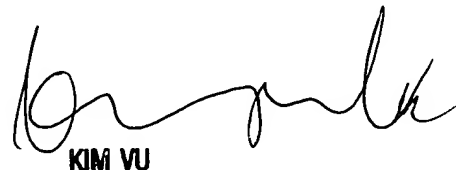
(703) 305-9724 or (703) 308-6606 (for informal or draft communications, please label "PROPOSED" or "DRAFT")

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth Floor (receptionist).

Inquiries of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-9600.

AL 

June 16th, 2001



KIM VU
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100